

**What is claimed is:**

1. A recording medium having a data structure for managing reproduction of graphic data, comprising:

a graphic information area including at least one graphic image information segment and at least one palette information segment, each palette information segment providing color information, each graphic image information segment providing reproduction information for reproducing one or more graphic images.

2. The recording medium of claim 1, wherein the reproduction information identifies a palette information segment to use in reproducing one or more graphic images.

3. The recording medium of claim 2, wherein two or more graphic image information segments include reproduction information that identify a same palette information segment.

4. The recording medium of claim 1, wherein  
each palette information segment has an identifier; and  
the reproduction information identifies a palette information segment using the identifier for the palette information segment.

5. The recording medium of claim 1, wherein the palette information segment includes a blending ratio indicating a level of opacity for the associated color information.

6. The recording medium of claim 1, wherein the palette information segment includes a blending ratio indicating a level of transparency for the associated color information.

7. The recording medium of claim 1, wherein the recording medium is a BD-ROM.

8. The recording medium of claim 1, wherein two or more graphic image information segments share a same palette information segment.

9. A method of reproducing a data structure for managing reproduction of graphic data from a recording medium, comprising:

reproducing at least one graphic image information segment and at least one palette information segment from the recording medium, each palette information segment providing color information, each graphic image information segment providing reproduction information for reproducing one or more graphic images.

10. An apparatus for reproducing a data structure for managing reproduction of graphic data from a recording medium, comprising:

a driver for driving an optical reproducing device to reproduce data recorded on the recording medium;

a controller for controlling the driver to reproduce at least one graphic image information segment and at least one palette information segment from the recording medium, each palette information segment providing color information, each graphic image information segment providing reproduction information for reproducing one or more graphic images.

11. A method of recording a data structure for managing reproduction of graphic data on a recording medium, comprising:

recording at least one graphic image information segment and at least one palette information segment on the recording medium, each palette information segment providing color information, each graphic image information segment providing reproduction information for reproducing one or more graphic images.

12. An apparatus for recording a data structure for managing reproduction of graphic data on a recording medium, comprising:

a driver for driving an optical recording device to record data on the recording medium;

an encoder for encoding at least multiple reproduction path video data; and

a controller for controlling the driver to record at least one graphic image information segment and at least one palette information segment on the recording medium, each palette information segment providing color information, each graphic image information segment providing reproduction information for reproducing one or more graphic images.